

OM protein - protein search, using sw model

Run on: August 21, 2001, 12:06:13 ; Search time 12.28 Seconds
(without alignments) 526.496 Million cell updates/sec

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 197339 seqs, 20590346 residues

Total number of hits satisfying chosen parameters: 197339

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%, Maximum Match 100%, Listing first 45 summaries

Issued_Patents_AK:*

1: /cgn2_6/pctodata/2/1aa/5A.COMB.pep:*

2: /cgn2_6/pctodata/2/1aa/5B.COMB.pep:*

3: /cgn2_6/pctodata/2/1aa/6A.COMB.pep:*

4: /cgn2_6/pctodata/2/1aa/6B.COMB.pep:*

5: /cgn2_6/pctodata/2/1aa/pctus.COMB.pep:*

6: /cgn2_6/pctodata/2/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	648.5	39.5	273	4	US-09-005-104-1
2	145.5	8.9	160	2	US-08-846-762-6
3	145.5	8.9	163	2	US-08-846-762-75
4	132.5	8.1	380	3	US-08-971-782-4
5	132.5	8.1	380	4	US-09-309-026-4
6	132.5	8.1	459	3	US-08-971-782-2
7	132.5	8.1	459	4	US-09-309-026-2
8	125.5	7.6	191	2	US-08-846-762-76
9	97.5	5.9	159	1	US-08-597-236-9
10	97.5	5.9	159	1	US-08-974-682A-9
11	94	5.7	197	4	US-08-971-762-56
12	90	5.5	168	3	US-09-189-579-85
13	90	5.5	168	4	US-09-315-444-85
14	87	5.3	713	1	US-09-190-810A-63
15	84.5	5.1	361	3	US-09-032-372-12
16	82	5.0	551	3	US-08-886-886-15
17	81.5	5.0	470	1	US-08-090-523-10
18	81.5	5.0	470	1	US-08-398-627-10
19	81.5	5.0	470	1	US-08-406-888-10
20	81.5	5.0	470	5	PCT-US91-04036-10
21	81.5	5.0	470	5	PCT-US94-02275-10
22	81	4.9	251	2	US-08-436-748-9
23	81	4.9	540	1	US-08-286-325A-2
24	80.5	4.9	781	1	US-08-373-334D-2
25	80.5	4.9	781	2	US-09-114-337-2
26	80.5	4.9	2237	1	US-08-354-73-1
27	80	4.9	276	2	US-07-857-224B-72

RESULT 1 US-09-065-104-1

; Sequence 1, Application US/09065104

; Patient No. 6218108

; GENERAL INFORMATION:

; APPLICANT: LEINFELDER, Walfrid,

; APPLICANT: HEINRICH, Peter

; TITLE OF INVENTION: Process for Preparing O-

; TITLE OF INVENTION: Acetylserine, L-Cysteine and L-Cysteine-Related

; TITLE OF INVENTION: Products

; NUMBER OF SEQUENCES: 24

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Collard & Roe, P.C.

; STREET: 1077 No. 6218168thern Boulevard

; CITY: Roslyn

; STATE: New York

; COUNTRY: U.S.A.

; ZIP: 11576

; COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY disk

COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/MC-DOS

SOFTWARE: WordPerfect Version 5.1 for DOS

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/065,104

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: DE 195 39 952

FILING DATE: 26-OCT-1995

APPLICATION NUMBER: WO 97/15673

FILING DATE: 24-OCT-1996

ATTORNEY/AGENT INFORMATION:

NAME: Collard, Allison C.

ATTORNEY/AGENT INFORMATION:

NAME: Freedman, Edward R.

REGISTRATION NUMBER: 22,532

REFERENCE/DOCKET NUMBER: LEINFELDER PCT

ATTORNEY/AGENT INFORMATION:

NAME: Richter, Elizabeth C.

REGISTRATION NUMBER: 35,103

REFERENCE/DOCKET NUMBER: LEINFELDER PCT

REGISTRATION NUMBER: 26,048

REFERENCE/DOCKET NUMBER: LEINFELDER PCT

ATTORNEY/AGENT INFORMATION:

NAME: Richter, Elizabeth C.

REGISTRATION NUMBER: 35,103

REFERENCE/DOCKET NUMBER: LEINFELDER PCT

TELECOMMUNICATION INFORMATION:

TELEPHONE: (516) 365-9802

FAX: (516) 365-9805

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 273 amino acids

Sequence 4, Appli

Sequence 4, Appli

Sequence 33, Appli

Sequence 4, Appli

Sequence 2, Appli

Sequence 2, Appli

Sequence 4, Appli

Sequence 4, Appli

Sequence 2, Appli

Sequence 2, Appli

Sequence 1, Appli

Sequence 5, Appli

Sequence 7, Appli

Sequence 5, Appli

Sequence 5, Appli

Sequence 7, Appli

Sequence 5, Appli

TYPE: amino acids
 STRANDEDNESS:
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 ORIGIN: SOURCE: Escherichia coli
 STRAIN: W3110
 US-09-104-1

Query Match 39.5%; Score 648.5; DB 4; Length 273;
 Best Local Similarity 50.8%; Pred. No. 1.3e-65; Gaps 2;
 Matches 132; Conservative 51; Mismatches 72; Indels 5; Gaps 2;
 ; Sequence 75, Application US/08846762A
 ; GENERAL INFORMATION:
 ; Patent No. 5994072;
 ; Sequence 75, Application US/08846762A
 ; APPLICANT: Lam, Joseph S.
 ; APPLICANT: Burrows, Lori S.
 ; APPLICANT: Charter, Deborah
 ; APPLICANT: de Klevit, Teresa
 ; TITLE OF INVENTION: No. 5994072el Proteins Involved in the Synthesis and Assembly
 ; FILE REFERENCE: 6580-089
 ; CURRENT APPLICATION NUMBER: US/08/846,762A
 ; CURRENT FILING DATE: 1997-04-30
 ; NUMBER OF SEQ ID NOS: 100
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 75
 ; LENGTH: 163
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas aeruginosa
 ; US-08-846-762-6
 ; Sequence 6, Application US/08846762A
 ; GENERAL INFORMATION:
 ; APPLICANT: Lam, Joseph S.
 ; APPLICANT: Burrows, Lori S.
 ; APPLICANT: Charter, Deborah
 ; APPLICANT: de Klevit, Teresa
 ; TITLE OF INVENTION: No. 5994072el Proteins Involved in the Synthesis and Assembly
 ; FILE REFERENCE: 6580-089
 ; CURRENT APPLICATION NUMBER: US/08/846,762A
 ; CURRENT FILING DATE: 1997-04-30
 ; NUMBER OF SEQ ID NOS: 100
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 6
 ; LENGTH: 160
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas aeruginosa
 ; US-08-846-762-5

RESULT 3
 Query Match 8.9%; Score 145.5; DB 2; Length 163;
 Best Local Similarity 32.6%; Pred. No. 1.2e-08; Gaps 3;
 Matches 42; Conservative 18; Mismatches 42; Indels 27; Gaps 3;
 ; Sequence 4, Application US/08971782
 ; GENERAL INFORMATION:
 ; APPLICANT: Wallis, Nicola G.
 ; APPLICANT: Shilling, Lisa K.
 ; APPLICANT: Jaworski, Deborah D.
 ; APPLICANT: Wang, Min
 ; APPLICANT: Mooney, Jeffrey L.
 ; APPLICANT: debouck, Christine M.
 ; APPLICANT: Zhong, Yi Yi
 ; TITLE OF INVENTION: No. 6043071el Glmu
 ; NUMBER OF SEQUENCES: 6
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Dechart, Price & Rhoads
 ; STREET: 4000 Bell Atlantic Tower, 1717 Arch Stree
 ; CITY: Philadelphia
 ; STATE: PA
 ; COUNTRY: US
 ; ZIP: 19103
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSEQ for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/971,782
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIORITY APPLICATION DATA:

RESULT 4
 Query Match 8.9%; Score 145.5; DB 2; Length 160;
 Best Local Similarity 32.6%; Pred. No. 1.2e-08; Gaps 3;
 Matches 42; Conservative 18; Mismatches 42; Indels 27; Gaps 3;
 ; Sequence 4, Application US/08971782
 ; GENERAL INFORMATION:
 ; APPLICANT: Wallis, Nicola G.
 ; APPLICANT: Shilling, Lisa K.
 ; APPLICANT: Jaworski, Deborah D.
 ; APPLICANT: Wang, Min
 ; APPLICANT: Mooney, Jeffrey L.
 ; APPLICANT: debouck, Christine M.
 ; APPLICANT: Zhong, Yi Yi
 ; TITLE OF INVENTION: No. 6043071el Glmu
 ; NUMBER OF SEQUENCES: 6
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Dechart, Price & Rhoads
 ; STREET: 4000 Bell Atlantic Tower, 1717 Arch Stree
 ; CITY: Philadelphia
 ; STATE: PA
 ; COUNTRY: US
 ; ZIP: 19103
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSEQ for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/971,782
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIORITY APPLICATION DATA:

Tue Aug 21 12:41:41 2001

REGISTRATION NUMBER: 30256
 INFORMATION FOR SEQ ID NO: 9:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 159 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 ; US-08-597-236-9

RESULT 10
 US-08-746-682A-9
 Sequence 9, Application US/08746682A
 Patent No. 576184
 GENERAL INFORMATION:
 APPLICANT: STINGELE, Francesca
 APPLICANT: MOLLET, Beat
 TITLE OF INVENTION: LACTIC BACTERIA PRODUCING
 NUMBER OF SEQUENCES: 19
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Pennie & Edmonds
 STREET: 1155 Avenue of the Americans
 CITY: New York
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10036
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0., Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/975,762
 FILING DATE: 21-MAR-1997
 CLASSIFICATION: 424
 ATTORNEY/AGENT INFORMATION:
 NAME: Maki, David J.
 REGISTRATION NUMBER: 31,392
 REFERENCE/DOCKET NUMBER: 210121.439
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 206-622-4500
 TELEFAX: 206-682-6031
 INFORMATION FOR SEQ ID NO: 56:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 197 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 ; US-08-975-762-56

Query Match 5.9%; Score 97.5; DB 1; Length 159;
 Best Local Similarity 26.5%; Pred. No. 0.0034; Mismatches 36; Indels 35; Gaps 3;
 Matches 31; Conservative 15; Mismatches 36; Indels 35; Gaps 3;

QY 188 KIGKGILLDHA-----TGVVIGETAVGVDDNVL-----HGVTL 221
 ; INFORMATION FOR SEQ ID NO: 9:
 ; SEQUENCE CHARACTERISTICS:
 LENGTH: 159 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-746-682A-9

RESULT 11
 US-08-975-762-56
 Sequence 56, Application US/08975762
 ; Patent No. 6207169
 ; GENERAL INFORMATION:
 APPLICANT: Reed, Steven G.
 APPLICANT: Iodes, Michael J.
 APPLICANT: Houghton, Raymond
 TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS AND TREATMENT OF INFECTION
 NUMBER OF SEQUENCES: 73
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: SEED and BERRY LLP
 STREET: 6300 Columbia Center, 701 Fifth Avenue
 CITY: Seattle
 STATE: Washington
 COUNTRY: USA
 ZIP: 98104
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0., Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/975,762
 FILING DATE: 21-MAR-1997
 CLASSIFICATION: 424
 ATTORNEY/AGENT INFORMATION:
 NAME: Maki, David J.
 REGISTRATION NUMBER: 31,392
 REFERENCE/DOCKET NUMBER: 210121.439
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 206-622-4500
 TELEFAX: 206-682-6031
 INFORMATION FOR SEQ ID NO: 56:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 197 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 ; US-08-975-762-56

Query Match 5.7%; Score 94; DB 4; Length 197;
 Best Local Similarity 25.5%; Pred. No. 0.012; Mismatches 42; Indels 46; Gaps 6;
 Matches 36; Conservative 17; Mismatches 42; Indels 46; Gaps 6;

QY 159 LWKQNKRKIVALLIONVRSESFAVDIHPGAKIGKGILLDHA-----TGVVIGETAVVG 210
 ; ATTORNEY/AGENT INFORMATION:
 NAME: Fanucci A., Allan
 REGISTRATION NUMBER: 30256
 INFORMATION FOR SEQ ID NO: 9:
 ; SEQUENCE CHARACTERISTICS:
 LENGTH: 159 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-975-762-56

RESULT 12
 US-09-188-579-85
 Sequence 85, Application US/09188579B
 ; Patent No. 6107040
 ; GENERAL INFORMATION:
 ; APPLICANT: Shuman, Stewart
 ; TITLE OF INVENTION: Pharmacological Targeting of mRNA Cap Formation

FILE REFERENCE: D6185
 CURRENT APPLICATION NUMBER: US/09/188,579B
 CURRENT FILING DATE: 1998-11-09
 NUMBER OF SEQ ID NOS: 114
 SEQ ID NO 85
 LENGTH: 168
 TYPE: PRT
 ORGANISM: baculovirus
 OTHER INFORMATION: Amino acid sequence of RNA baculovirus phosphatase BVP.

US-09-188-579-85

Query Match 5.5%; Score 90; DB 3; Length 168;
 Best Local Similarity 22.2%; Pred. No. 0.027; Matches 34; Conservative 24; Mismatches 53; Indels 42; Gaps 8;
 SEQ ID NO 17 DSRCFCIKNFRPGFSVNRKIHHTQIEDDDWIKMLEARSKDVKQEPIL-----SN 68
 Db 18 DSNLCKFKTPLRPEL-----FAYVTSEDW----TAEQIYQNP SIGAIDLTWS 65
 QY 69 YYASITSHRSLESALAHILSVKLSNLNPNTLFFLTSVLESPETIESTKDLIAVK 128
 Db 66 KYYDGV--HHLRASLY-KKIQVFGQTLPPESTVQEFIDIVKE-----FT 107
 QY 129 ERDPACISYVHCFGLK--GFLACQAHRTAHTL 159
 Db 108 EKCPGMLVGVHCTHGINRTGIMVCR--YLMHTL 138

RESULT 13
 US-09-315-444-85
 Sequence 85, Application US/09315444A
 ; PATENT NO. 6332070
 ; GENERAL INFORMATION:
 ; APPLICANT: Shuman, Stewart
 ; TITLE OF INVENTION: Pharmacological Targeting of mRNA Cap Formation
 ; FILE REFERENCE: D6185CIP
 ; CURRENT APPLICATION NUMBER: US/09/315,444A
 ; CURRENT FILING DATE: 1999-05-20
 ; PRIOR APPLICATION NUMBER: US 09/188,579
 ; PRIOR FILING DATE: 1998-11-09
 ; NUMBER OF SEQ ID NOS: 116
 ; SEQ ID NO 85
 ; LENGTH: 168
 ; TYPE: PRT
 ; ORGANISM: baculovirus
 ; FEATURE:
 ; OTHER INFORMATION: Amino acid sequence of RNA baculovirus phosphatase BVP.
 ; US-09-315-444-85

Query Match 5.5%; Score 90; DB 4; Length 168;
 Best Local Similarity 22.2%; Pred. No. 0.027; Matches 34; Conservative 24; Mismatches 53; Indels 42; Gaps 8;
 QY 17 DSRCFCIKNFRPGFSVNRKIHHTQIEDDDWIKMLEARSKDVKQEPIL-----SN 68
 Db 18 DSNLCKFKTPLRPEL-----FAYVTSEDW----TAEQIYQNP SIGAIDLTWS 65
 QY 69 YYASITSHRSLESALAHILSVKLSNLNPNTLFFLTSVLESPETIESTKDLIAVK 128
 Db 66 KYYDGV--HHLRASLY-KKIQVFGQTLPPESTVQEFIDIVKE-----FT 107
 QY 129 ERDPACISYVHCFGLK--GFLACQAHRTAHTL 159
 Db 108 EKCPGMLVGVHCTHGINRTGIMVCR--YLMHTL 138

RESULT 13
 US-09-315-444-85
 Sequence 85, Application US/09315444A
 ; PATENT NO. 6332070
 ; GENERAL INFORMATION:
 ; APPLICANT: Shuman, Stewart
 ; TITLE OF INVENTION: Pharmacological Targeting of mRNA Cap Formation
 ; FILE REFERENCE: D6185CIP
 ; CURRENT APPLICATION NUMBER: US/09/315,444A
 ; CURRENT FILING DATE: 1999-05-20
 ; PRIOR APPLICATION NUMBER: US 09/188,579
 ; PRIOR FILING DATE: 1998-11-09
 ; NUMBER OF SEQ ID NOS: 116
 ; SEQ ID NO 85
 ; LENGTH: 168
 ; TYPE: PRT
 ; ORGANISM: baculovirus
 ; FEATURE:
 ; OTHER INFORMATION: Amino acid sequence of RNA baculovirus phosphatase BVP.

Query Match 5.3%; Score 87; DB 1; Length 713;
 Best Local Similarity 18.8%; Pred. No. 0.62; Matches 52; Conservative 40; Mismatches 88; Indels 96; Gaps 11;
 Matches 34; Conservative 24; Mismatches 53; Indels 42; Gaps 8;

QY 15 DDDSRFCIC-----NFRPGFFSVNRKIHHTQIEDDDWIKMLEARSKDVKQEPILSNY 69
 Db 342 DHTSVVCCVKFNSNDGEYLATGCKNHTQVRY--SDGSVYARLSDSAANHNRNITENN 388
 QY 70 YYASITSHRSLESALAHILSVKLSNLNPNTLFFLTSVLESPETIESTKDLIAVK 119
 Db 399 TTSTDNTNTMTTNTTNTTNTAATMSAELAKDVENLNTSSPSSDLYIKSV-----449

QY 120 TDKDLIAVKERDPACISYVHCFGLKFGFLACQAHRTAHTLWK-ONRKVYALLVNRVSES 178
 Db 450 -----CFSPDKFLATGAEDRLIRLWDENRKTIV-MILOGHEODI 488

QY 179 FAVDIIHGPAGKIGKGILDHATGWWIGETAVGDNVSLILHGVLGGTKOSGDRPKIGDG 238

Db 489 YYDLYFPS-----GDKLVSG-----SGDRYVRWID- 513

QY 239 VLGAGSCIL-----GNITI---GEGAKIGSGSV 264
 Db 514 --LRTGQCSLTSLIEDGVITVAVSPGDKVIAAGSL 547

RESULT 15
 US-09-032-372-12
 Sequence 12, Application US/09032372
 ; Patent No. 6008337
 ; GENERAL INFORMATION:
 ; APPLICANT: Bandman, Olga

Job time: 45 sec

APPLICANT: Hillman, Jennifer L.
 APPLICANT: Corley, Neil C.
 APPLICANT: Guegler, Karl J.
 APPLICANT: Yue, Henry
 APPLICANT: Lal, Preeti
 TITLE OF INVENTION: CELL CYCLE RELATED PROTEINS
 NUMBER OF SEQUENCES: 13
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSEQ for Windows Version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/032,372
 FILING DATE: Herewith
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J.
 REFERENCE NUMBER: 36,749
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 650-855-0555
 TELEX:
 TELEFAX: 650-845-4166
 INFORMATION FOR SEQ ID NO: 12:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 361 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: GenBank
 CLOUE: 1292898
 US-09-032-372-12

Query Match 5.1%; Score 84.5; DB 3; Length 361;
 Best Local Similarity 20.3%; Pred. No. 0.39; Gaps 14;
 Matches 59; Conservative 46; Mismatches 118; Indels 67;

QY 50 IRMLEERAKSD-----VKQEPILSNYYASHTSHRSLESALAHILSVKLSN-----L 95
 Db 90 LKLAEDVLKKDNPSFPFLVNLSDVCEYPPKELADFHKAHGGKGTATVKDEPSKYGVIVH 149
 QY 96 NIPSNLFLFELTSVLE-----SPELTSTKODLIAV-KERDPACIS---Y 137
 Db 150 DIATPNLIDRFVEKPKFVGVRINAGLYTLNPEVIDLIEMKPTSIKEETPFLVVEKOLY 209
 QY 138 VHCFLGPR-----KQFLACOAHRLAHLWKONRKV- ALLIQNRVSESPAVDHPGAK 188
 Db 210 SFDLEGFWMDVGQPKOFLSGTVLYINSLRKQPKLATGANIVGVALDPTA-KISSTAK 268
 QY 189 ISKGILLDHATCIVVIGCTAVVGDNTSILHGVTLGGKGQSGDRHPKIGDVLIGAGSCIL 248
 Db 269 IG-----PDWVIGPNVITGDRVITRSVLL--CNSTIKNHSLVKSTIVG----- 310
 QY 249 GNITIGGAKIGGSYVVKDVPARTAVGPARLIGGKENPRK-HDKIP 296
 Db 311 WNSTVGVCRLEGVTVLGDDDEVKDETYIN----GGKVLPHKSIISDNVP 355

Tue Aug 21 12:47:47 2001

us-09-486-334-2.rai